Parts and Components

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PARTS AND COMPONENTS

Purpose

This section provides illustrations and parts breakdown of all parts of the assembly(ies) shown on the title page which can be disassembled, repaired or replaced, and reassembled.

HOW TO USE THE PARTS AND COMPONENTS ILLUSTRATED PARTS LISTING

Disassembly Order System

The disassembly order system used in the parts list shows the relationship of one part to another. For a given item, replaceable parts making up the top assembly or subassembly depicts the relationship of the item to the associated next higher assembly. Indenture is not used in this illustrated parts list due to the relative simplicity of these units.

Number Column (No.)

This column contains the callout or index number of a part on the exploded view assembly drawing. Each number corresponds to a specific part on the drawing. When a triple dash (---) is shown, the part is either the top assembly for the drawing, or the part is not illustrated and therefore not called out.

The illustrated parts list does not list or illustrate parts which lose their identity by being permanently welded or riveted to other pieces.

Description Column (Description)

This column lists the noun name of the item followed by any descriptor (Example: GAUGE, LOW SIDE). In this case “GAUGE” is the noun, and “LOW SIDE” is the descriptor.

Units Per Assembly (Qty)

The Qty column shows the total number of numbers required per assembly, per subassembly, and per sub-subassembly as applicable. For bulk items, the letters AR indicate “as required”. The letters REF, if used, indicate the item is listed for reference purposes.

Part Number Column (Part No.)

This column contains the part number of the item listed in the Description column. The letters RNS, REF, or the abbreviated Ref. Only, if used, indicate the item is listed for reference purposes, but is not available for purchase.

A Robinair part number assigned a part is five or six digit drawing number. Part numbers beginning with RA are “Replacement Assembly” numbers. These numbers depict a kit of parts or assemblies used to repair or replace certain parts of the end item.

Effectivity Column (Effectivity)

Reference letters (A through Z except I and 0) are assigned to the Effectivity column to each top assembly in each IPL figure. The reference letter of the applicable top assembly is also shown in the Effectivity column for each detail part and subassembly. When no reference letter is shown for detail parts and subassemblies, the item is used on all top assemblies.

Parts Replacement Data

The interchangeability relationship between parts is identified in the Description column of the parts list. A list of the terms used to show interchangeability and their definition is shown in the table following.

PARTS LIST TERM	ABBREVIATION	DEFINITION
Optional	OPT	This part is interchangeable with other parts in the same Item number variant group or other item number if designated
Supersedes	SUPSDS	The part in the part number column replaces and is not interchangeable with the item number shown in the notation.
Superseded	SUPSD BY	The part in the part number column is replaced by and is not interchangeable with the item number shown in the notation.
Replaced By	REPLD BY	The part in the part number column is replaced by and interchangeable with the item number shown in the notation.
Replaces	REPLS	The part in the part number column replaces and is interchangeable with the item number shown in the notation.

Technical Service Bulletin (TSB) Incorporation

Except as indicated below, assemblies, subassemblies and detail parts subject to modification, deletion, addition or replacement by an issued service bulletin are annotated to show both pre and post service bulletin configuration. The term (PRE SB XXXX) in the Description column designates the original configuration, and the term (POST SB XXXX) identifies assemblies and parts after the service bulletin modification has been completed.

Subassemblies and detail parts used on assemblies bearing the pre- or post-service bulletin notation will not carry the same notation themselves if the use code(s) assigned to them clearly reflect(s) their pre- or post-service bulletin status.

Items Not Illustrated

Items not illustrated are indicated by a (Not shown.) notation in the Description column.

Alpha Variant Item Numbers

Alpha variants A through Z (except I and O) are assigned to an existing item number when necessary to show:

- √ Added items
- √ Technical Service bulletin modifications
- √ Configuration differences
- √ Optional parts
- √ Product improvement parts (non service bulletin)

Alpha variant item numbers are not shown on the exploded view when the appearance and location of the alpha variant item is the same as the basic item.

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EXTERNAL ASSEMBLY

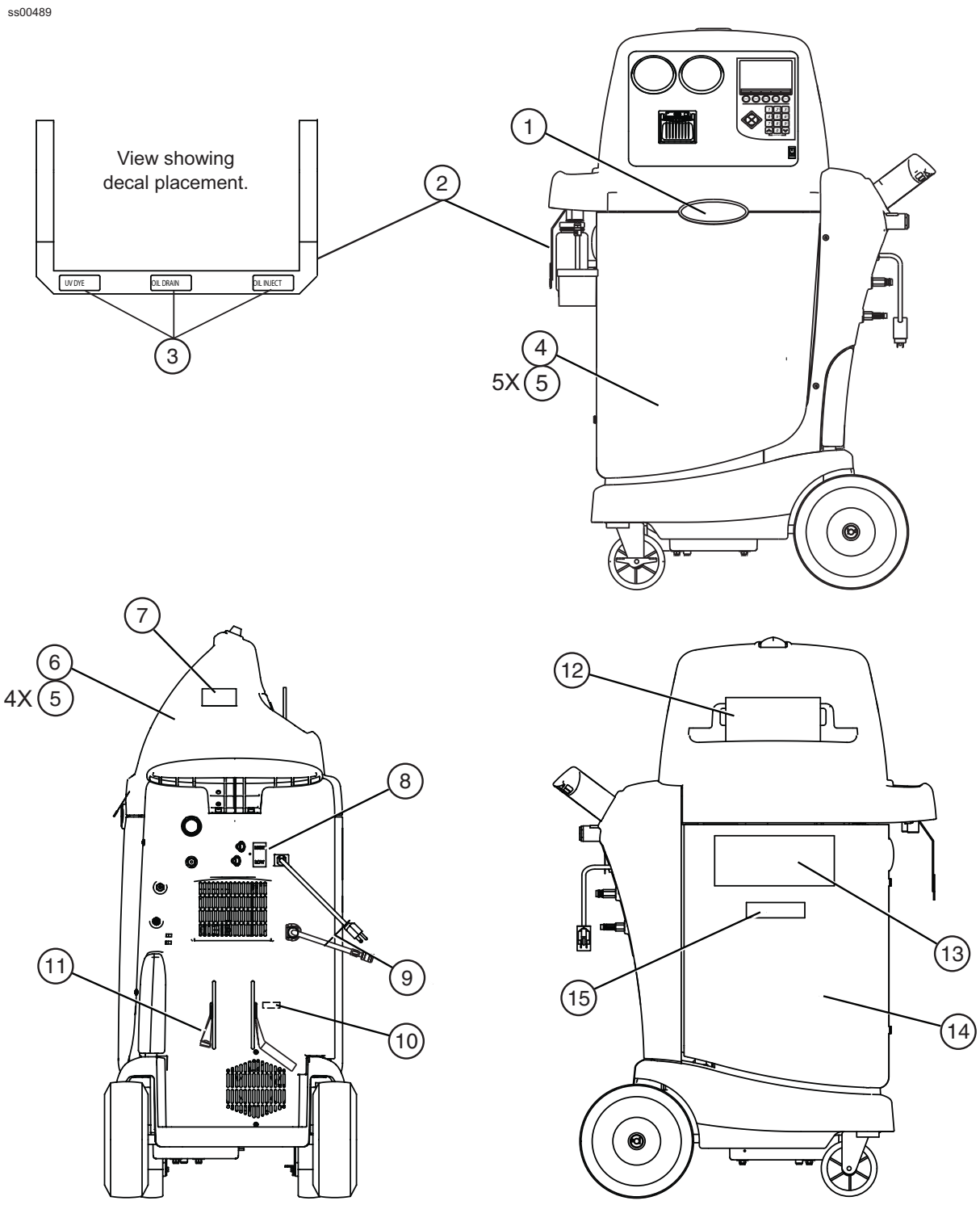

Figure 3-1. External Assembly

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EXTERNAL ASSEMBLY				
No.	Description	Qty	Part No.	Effectivity
---	UNIT, BASIC, 34988, 115 VAC (Domestic)	---	Ref. Only	A
	UNIT, BASIC, 34988-1, 230 VAC (Int'l Only)		Ref. Only	B
1	DECAL, FRONT, ROBINAIR	1	539901	
2	BRACKET, OIL BOTTLE PROTECTION	1	549365	
3	DECAL, 1.5 X 0.75, SILVER	3	46269	
4	PANEL, FRONT SIDEWINDER	1	544023	
5	SCREW, ¼ -20 X ¾ INCH	9	121829	
6	COVER, TOP, SIDEWINDER	1	544720	
7	DECAL, 1-800 PHONE NUMBER	1	109076	
8	DECAL, SERVICE HOSES	1	121426	
9	TAG, POWER CORD	1	112661	
10	DECAL, SERIAL NUMBER (Located on inside of side support.)	1	Ref. Only	
11	STRAP, HOOK AND LOOP	1	121925	
12	MANUALS, OPERATION	1	554228	
13	DECAL, UL	1	554227	
13	DECAL, 34724 FILTER REORDER	1	540600	
14	DOOR, REAR, SIDEWINDER	1	121575	
15	DECAL, WARNING	1	515770	
16*	ASSEMBLY, OIL DRAIN BOTTLE	1	545771	
17*	ASSEMBLY, DYE INJECT RESERVOIR	1	545772	
18*	ASSEMBLY, OIL INJECT RESERVOIR	1	545773	
EFFECTIVITY: Robinair 34988 Robinair 34988-I * Denotes items included but not shown.				 A B

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INTERNAL ASSEMBLY

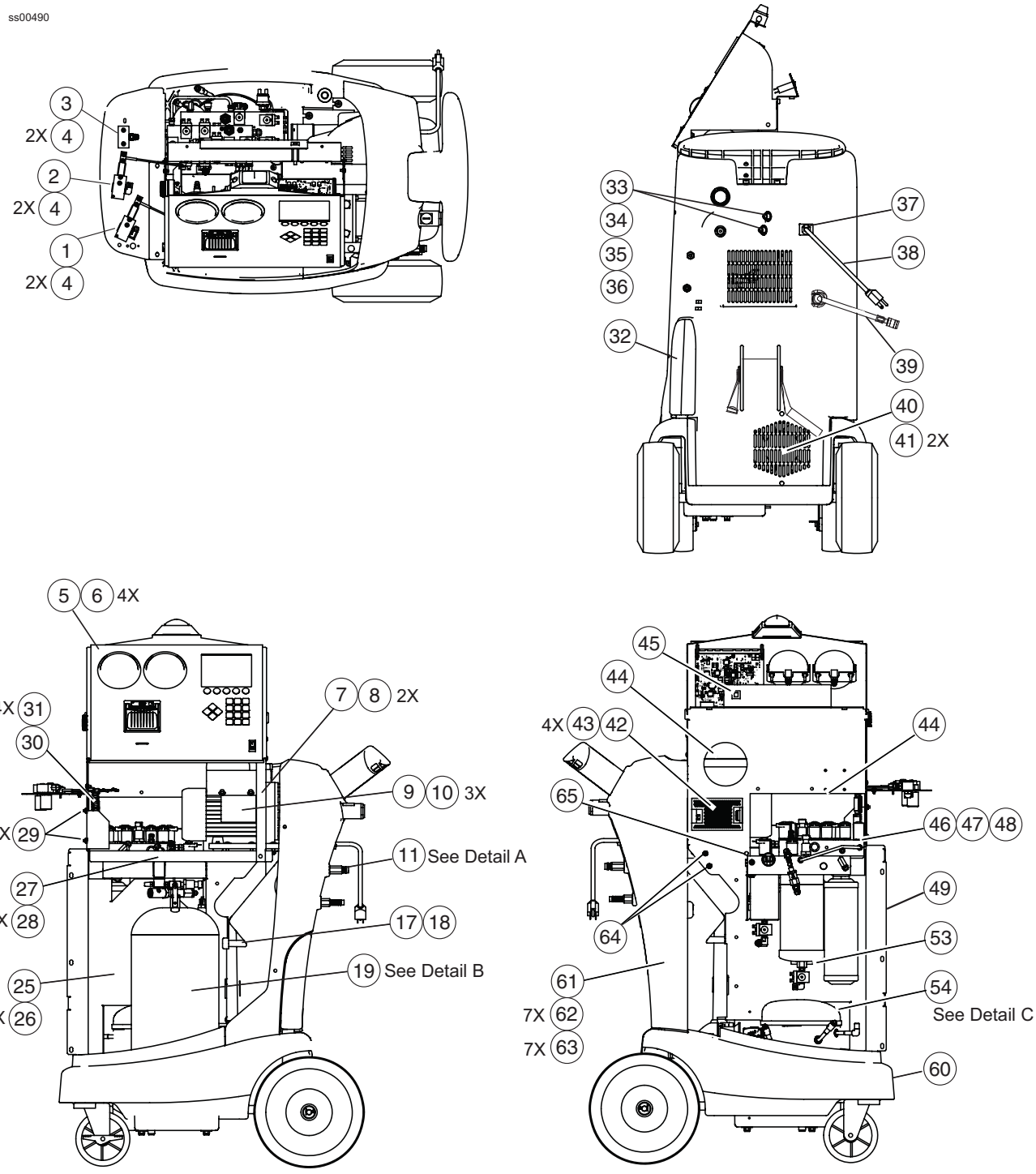

Figure 3-2. Internal Assembly (Sheet 1 of 2)

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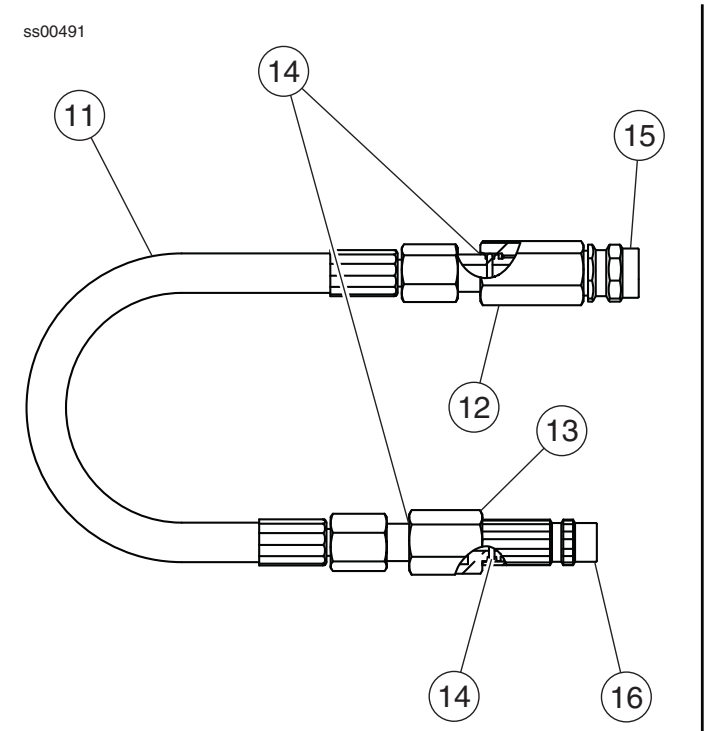
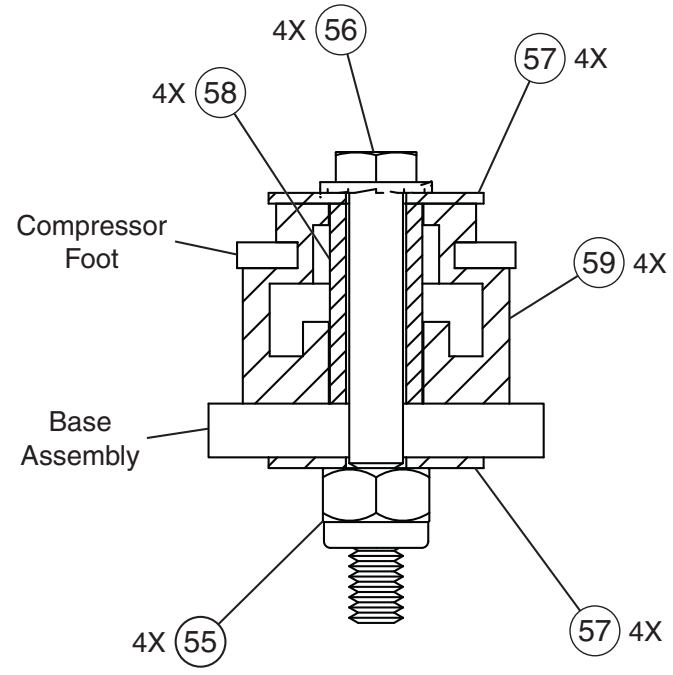
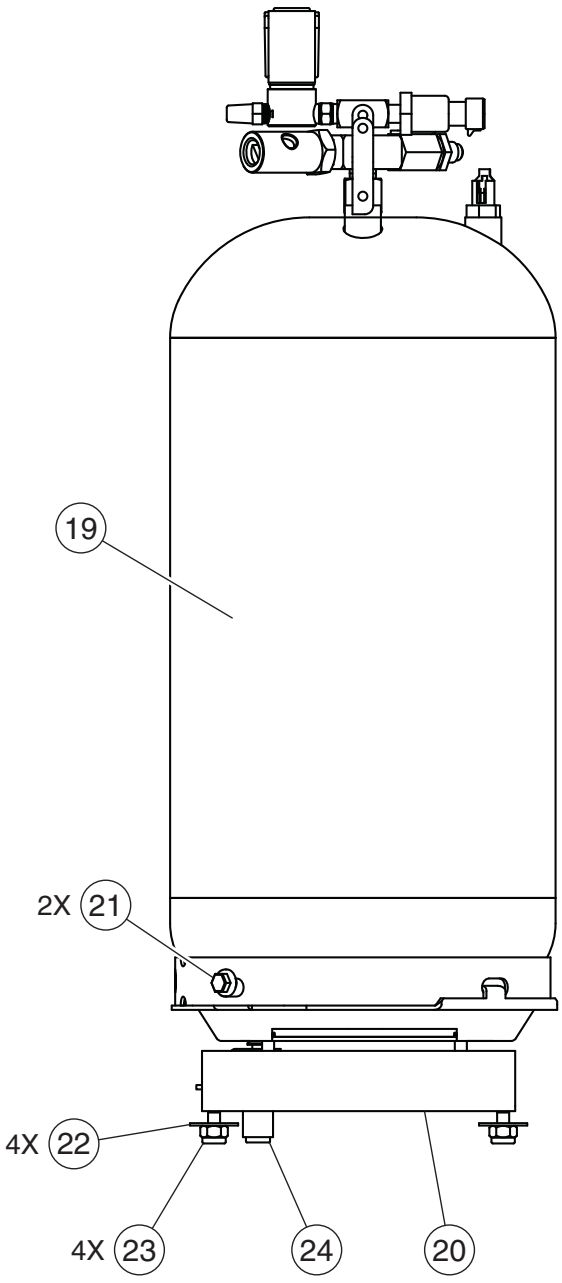


Detail A



Detail C



Detail B (Typical)

Figure 3-2. Internal Assembly (Sheet 2 of 2)

INTERNAL ASSEMBLY				
No.	Description	Qty	Part No.	Effectivity
---	UNIT, BASIC, 34988, 115 VAC (Domestic) (See Figure 3-1 for next higher assembly.)	---	Ref. Only	A
	UNIT, BASIC, 34988-1, 230 VAC (Int'l Only) (See Figure 3-1 for next higher assembly.)			B
1	ASSEMBLY, OIL RESERVOIR LOAD CELL (See Figure 3-7 for breakdown.)	1	RA20055	
2	ASSEMBLY, OIL DRAIN LOAD CELL (See Figure 3-7 for breakdown.)	1	RA20055	
3	ASSEMBLY, DYE BOTTLE BRACKET (See Figure 3-8 for breakdown.)	1	545762	
4	SCREW, M5, BUTTON HEAD	6	516612	
5	PANEL, CONTROL (See Figure 3-3 for break-down.)	1	547715	
6	SCREW, 8-32 X 3/8 INCH SEMS	4	514514	
7	SUPPORT, CONTROL PANEL	1	122268	
8	SCREW, 8-32 X 3/8 INCH SEMS	2	514514	
9	STATION PUMP, 3 CFM, 115V (See Figure 3-9.)	1	RA20031	A
	STATION PUMP, 3 CFM, 230V (Int'l Only) (See Figure 3-9.)		RA20075	B
10	SCREW, ¼-20 X 1 INCH	3	Ref. Only	
11	HOSE, FLUSHING (See Detail A)	1	546946	
Detail A (Items 12 through 16)				
12	FITTING, SPECIAL	1	546871	
13	FITTING, SPECIAL	1	546872	
14	O-RING	3	10267	
15	FITTING, R134A, HIGH SIDE	1	546882	
16	FITTING, R134A, LOW SIDE	1	546883	
End Detail A				
17	RUBBER BUMPER	1	122256	
18	SCREW, PLASTITE, ¼ X ¾ INCH	1	123497	
19	ISV ASSEMBLY (See Figure 3-4 for breakdown.)	1	Ref. Only	A
	ISV ASSEMBLY (See Figure 3-5 for breakdown.)			B
Detail B (Items 20 through 23)				
20	SCALE ASSEMBLY	1	RA20002	
21	BOLT, SERRATED HD, ¼-20 X ½ INCH	2	122255	
22	WASHER, FENDER, ¼ INCH ID	4	Ref. Only	
23	LOCKNUT, ¼-20	4	Ref. Only	
24	MAGNET	1	539903	
End Detail B				

INTERNAL ASSEMBLY				
No.	Description	Qty	Part No.	Effectivity
25	CENTER DIVIDER	1	543170	
26	SCREW, PLASTITE, ¼ X ¾ INCH	7	123497	
27	SHELF, VACUUM PUMP	1	544769	
28	SCREW, PLASTITE, ¼ X ¾ INCH	2	123497	
29	NUT, 8-32 SEMS	2	112414	
30	PCB ASSEMBLY, RELAY BOARD	1	RA20070	
31	SCREW, 6-32 X 1/4 INCH	4	Ref. Only	
32	BOTTLE, OIL DRAIN	1	121588	
33	BULKHEAD, 1/2 ACME X 1/8 NPTF FE	2	117328	
34	FITTING, 1/8 MP X 3/8 COMPRESSION	2	122912	
35	WASHER, 1/2 INT TOOTH - ZINC	2	110646	
36	NUT, 1/2 ACME	2	112122	
37	BUSHING, HEYCO	1	100385	
38	CABLE, POWER	1	122770	A
	CABLE, POWER (Int'l Only)		545162	B
39	HOSE, CHARGE	1	539007	
40	FAN ASSEMBLY, 115V	1	RA17416	A
	FAN ASSEMBLY, 230V (Int'l Only)		RA17516	B
41	SCREW, 10-16 X 3/4 INCH	2	122257	
42	POWER SUPPLY, 12 VOLT	1	RA20014	
43	SCREW, SOCKET HEAD CAP	4	RS-9102	
44	EDGE TRIM, RUBBER	A/R	Ref. Only	
45	CIRCUIT BREAKER, 15 Amp	1	518638	A
	CIRCUIT BREAKER, 7 Amp (Int'l Only)		552036	B
46	MAINIFOLD ASSEMBLY (See Figure 3-6 for breakdown.)	1	RA20078	
47	SCREW, 1/4-20 X 1/2	1	109556	
48	SCREW, ¼-20 X 3-1/2 INCH	1	Ref. Only	
49	DOOR LATCH KIT (Contains items 42, 43, 44.) (Part of RA19916 Fastener and Seal Kit.)	2	RA19632	
50	RETAINER, DOOR LATCH (Part of RA19632)	2	Ref. Only	
51	RECEPTACLE, DOOR LATCH (Part of RA19632)	2	Ref. Only	
52	LATCH, DOOR (Part of RA19632)	2	Ref. Only	
53	INSERT, DIE-CUT FOAM	1	541742	
54	COMPRESSOR ASSEMBLY, 115V (See Figure 3-10.)	1	RA20020	A
	COMPRESSOR ASSEMBLY, 230V (Int'l Only) (See Figure 3-10.)		RA20076	B

INTERNAL ASSEMBLY				
No.	Description	Qty	Part No.	Effectivity
Detail C (Items 55 through 59)				
55	LOCKNUT, ¼-20	4	Ref. Only	
56	BOLT, SERRATED HD, ¼-20 X 2-INCH	4	119105	
57	WASHER, FENDER, ¼ INCH ID	8	Ref. Only	
58	SLEEVE, COMPRESSOR (Part of RA20020 and RA20076.)	4	Ref. Only	
59	GROMMET, COMPRESSOR (Part of RA20020 and RA20076.)	4	Ref. Only	
End Detail C				
60	BASE ASSEMBLY (See Figure 3-11 for break-down.)	1	544094	
61	SIDE SUPPORT ASSEMBLY	1	546620	
62	SCREW, PLASTITE, ¼ X ¾ INCH	7	121829	
63	WASHER, FLAT ¼ INCH	7	12719	
64	NUT, HEX, 8-32 SEMS	2	112414	
65	SCREW, 8-32 X 3/8 INCH SEMS	1	514514	
EFFECTIVITY: Robinair 34988 Robinair 34988-I				 A B

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HEAD ASSEMBLY

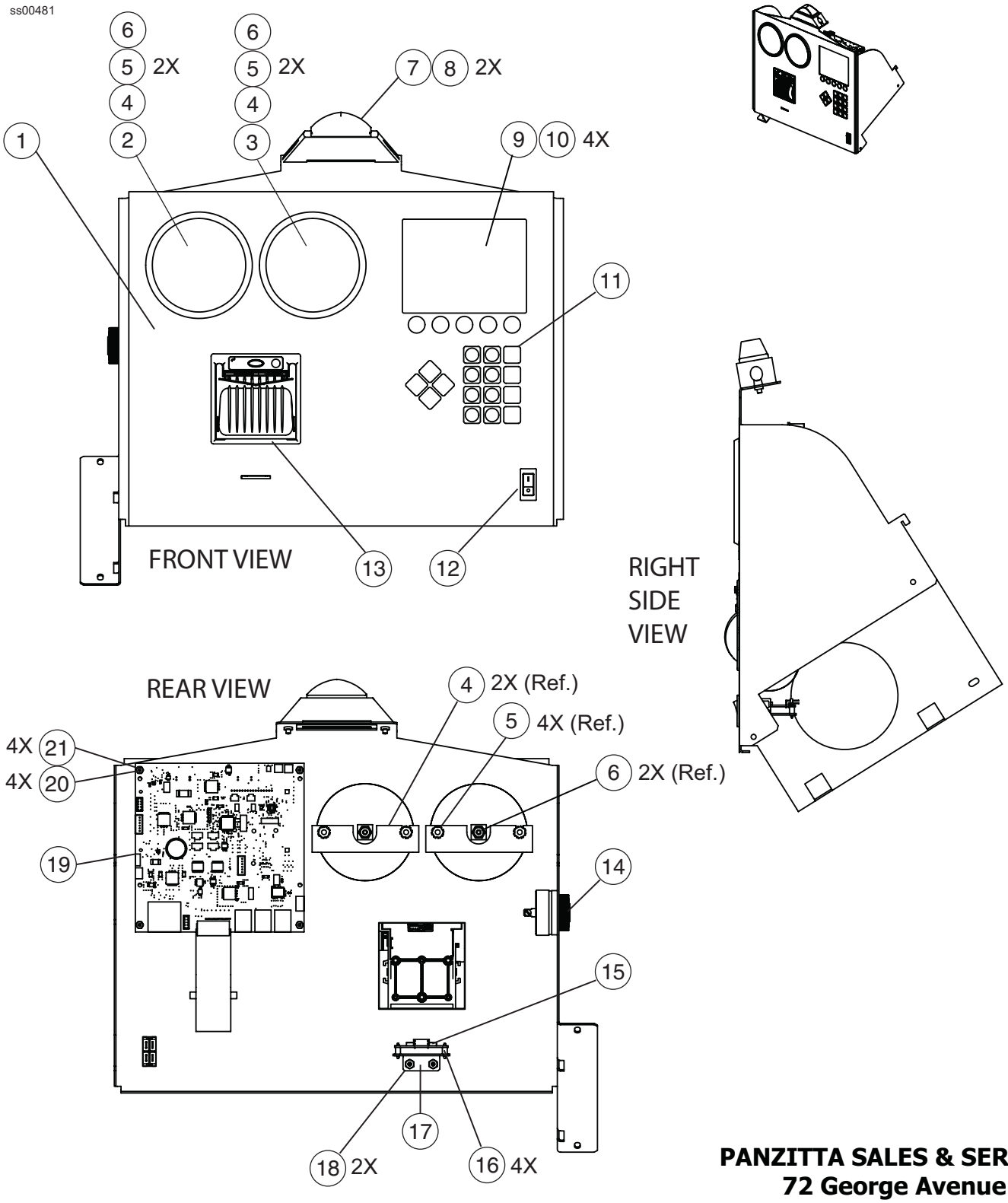

Figure 3-3. Head Assembly

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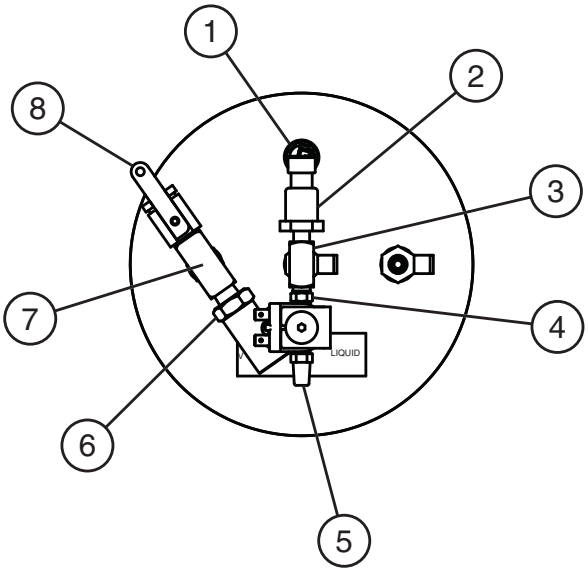
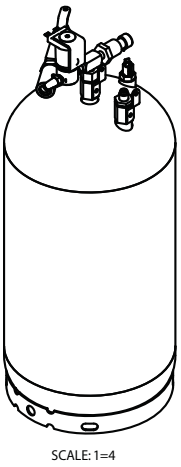
CONTROL PANEL ASSEMBLY				
No.	Description	Qty	Part No.	Effectivity
---	CONTROL PANEL ASSEMBLY (See Figure 3-1 for Next Higher Assembly)	1	547715	
1	OVERLAY, OEM	1	548145	
2	GAUGE, LOW SIDE, GENERIC	1	539955	
3	GAUGE, HIGH SIDE, GENERIC	1	539956	
4	BRACKET, GAUGE	2	552900	
5	NUT, HEX, 10-32 SEMS	4	112415	
6	CONNECTOR, 1/8 NPTF X 1/8 PNEUMATIC	2	121771	
7	LIGHT KIT	1	121587	
8	SCREW, 8-32 x 3/6-IN SEMS	2	514514	
9	DISPLAY	1	547373	
10	SCREW, MACHINE, 4-40 X .25 TORX	4	548667	
11	KEYPAD	1	547944	
12	SWITCH, DPST, I/O	1	112341	
13	PRINTER	1	545822	
14	BUZZER/BEEPER	1	550708	
15	PCB ASSEMBLY, SD CARD, NGEN, RRR	1	539649	
16	STANDOFF, PCB, 1/4” SNAP	4	539948	
17	BRACKET, SD, MOUNTING	1	548139	
18	NUT, HEX, 6-32 SEMS	2	110068	
19	PCB ASSEMBLY, DISPLAY/CONTROL BOARD	1	RA20069	
20	STANDOFF, 4-40 X .175 LONG	4	550709	
21	NUT, 4-40 SEMS	4	117693	
Effectivity: Robinair 34988 Robinair 34988-I				 A B

ISV ASSEMBLY (DOMESTIC)

ss00136





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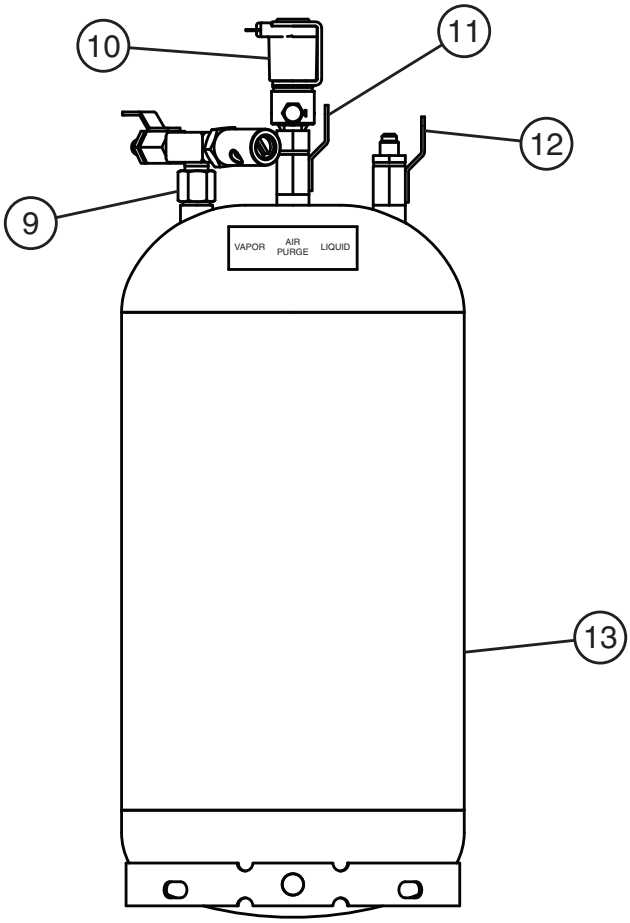

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Figure 3-4. ISV Assembly (Domestic)

ISV ASSEMBLY (INT'L)

SS00440

1

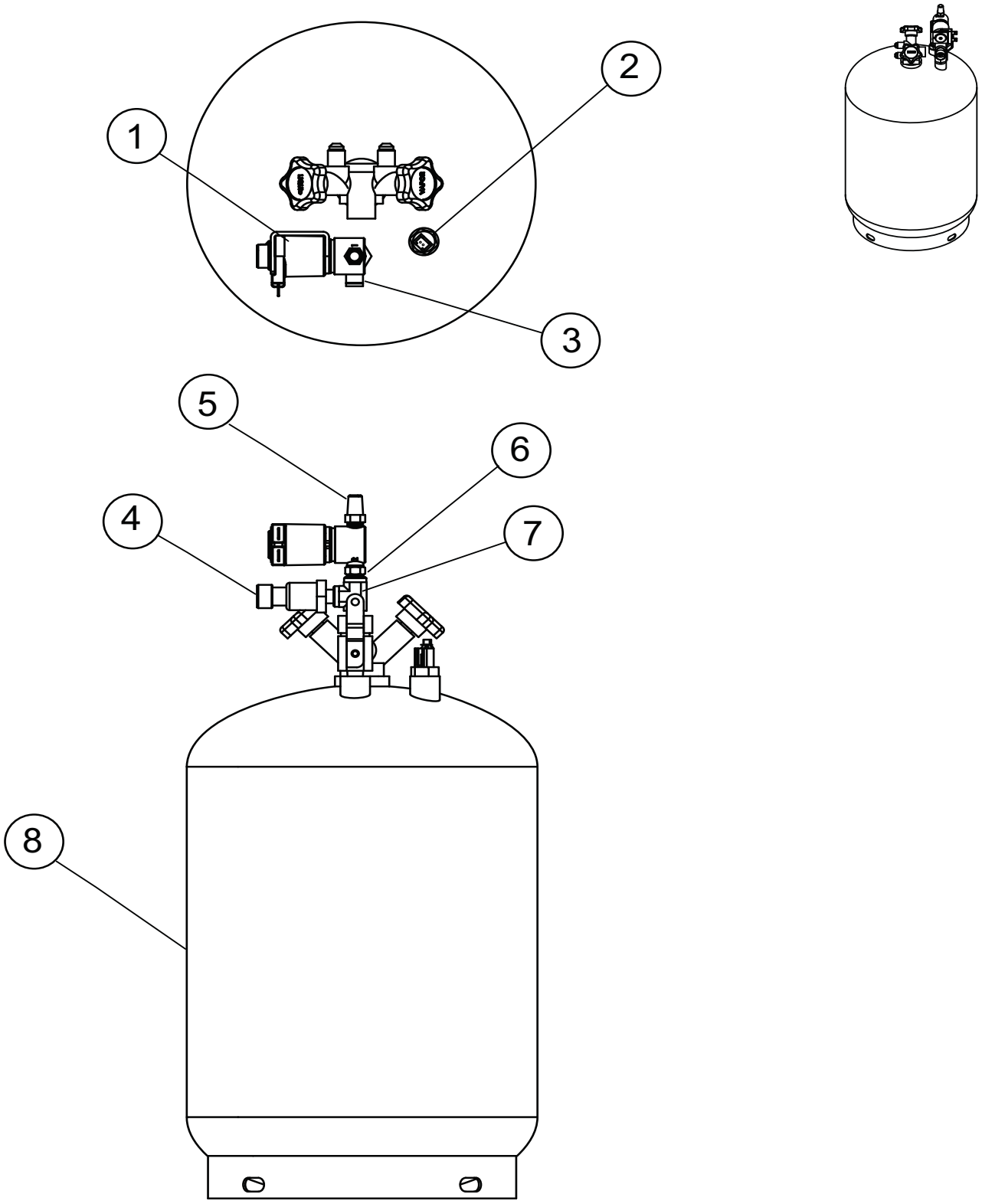

Figure 3-5. ISV Assembly (Int'l)

ISV ASSEMBLY, DOMESTIC				
No.	Description	Qty	Part No.	Effectivity
---	ISV ASSEMBLY, DOMESTIC (See Figure 3-2 for next higher assembly.)	---	Ref. Only	All Domestic Models
1	TEMPERATURE PROBE	1	539472	
2	TRANSDUCER, AIR PURGE	1	RA20067	
3	TEE, MALE BRANCH 1/8 NPTF	1	539654	
4	ORIFICE, UNION, .026	1	539804	
5	MUFFLER, AIR EXHAUST	1	519605	
6	PRESSURE RELIEF, 450PSI	1	RA20079	
7	FITTING, TEE, .25FP X .25FP X .25MP	1	508690	
8	VALVE, BALL	1	540322	
9	FITTING, STRAIGHT	1	210312	
10	SOLENOID, 12VDC, DISCRETE	1	RA20009	
11	VALVE, BALL	1	539799	
12	VALVE, BALL	1	539798	
13	TANK, ISV	1	539477	

ISV ASSEMBLY, INTERNATIONAL				
No.	Description	Qty	Part No.	Effectivity
---	ISV ASSEMBLY, INT'L (See Figure 3-2 for next higher assembly.)	---	Ref. Only	All Int'l Models
1	SOLENOID, 12VDC, DISCRETE	1	RA20009	
2	TEMPERATURE PROBE	1	539472	
3	VALVE, BALL	1	544672	
4	TRANSDUCER, AIR PURGE	1	RA20067	
5	MUFFLER, AIR EXHAUST	1	519605	
6	ORIFICE, UNION, .026	1	539804	
7	FITTING, TEE, 1/8FP X 1/8FP X 1/8MP	1	508690	
8	TANK, ISV	1	543184	

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MANIFOLD ASSEMBLY

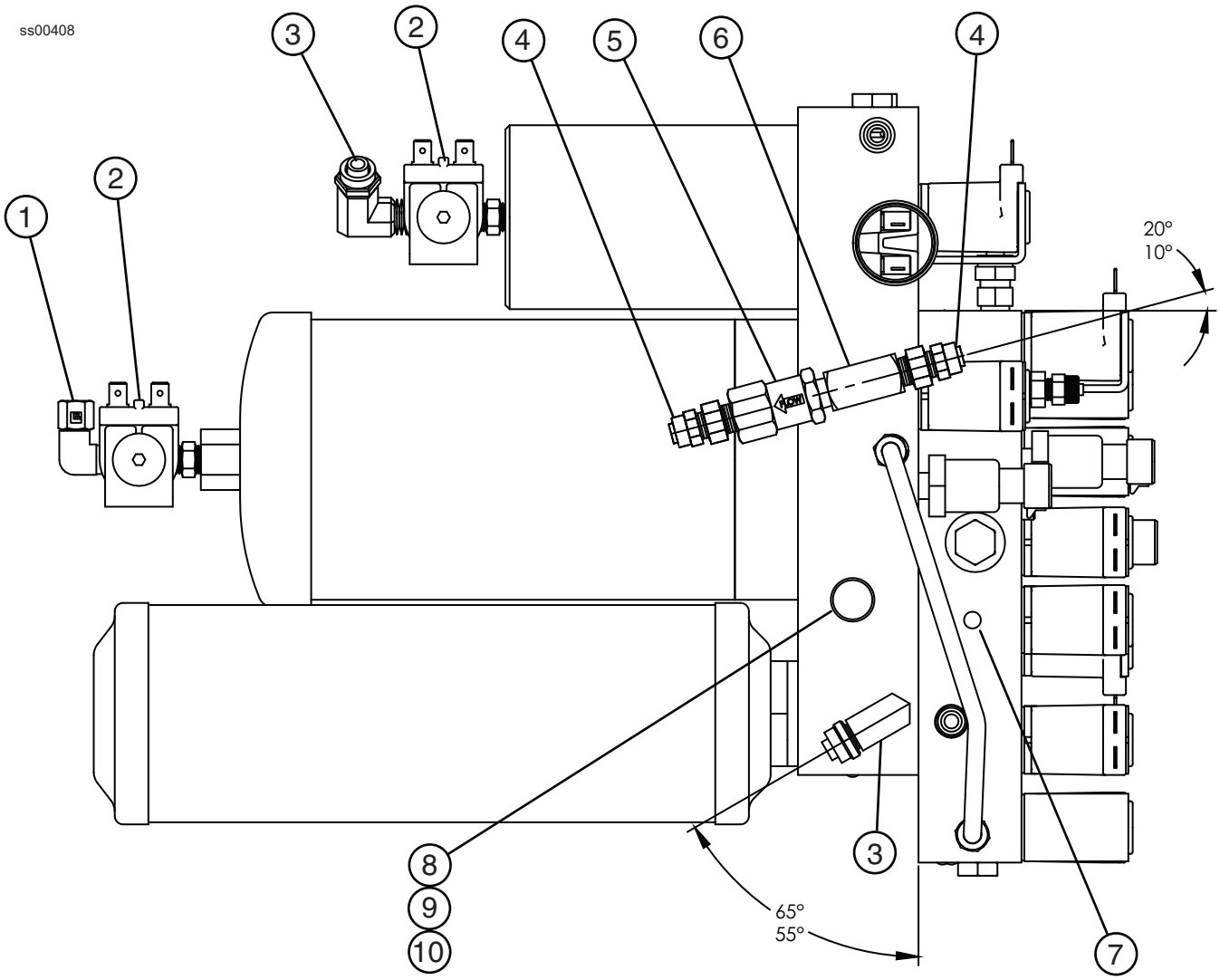

Figure 3-6. Manifold Assembly (Sheet 1 of 3)

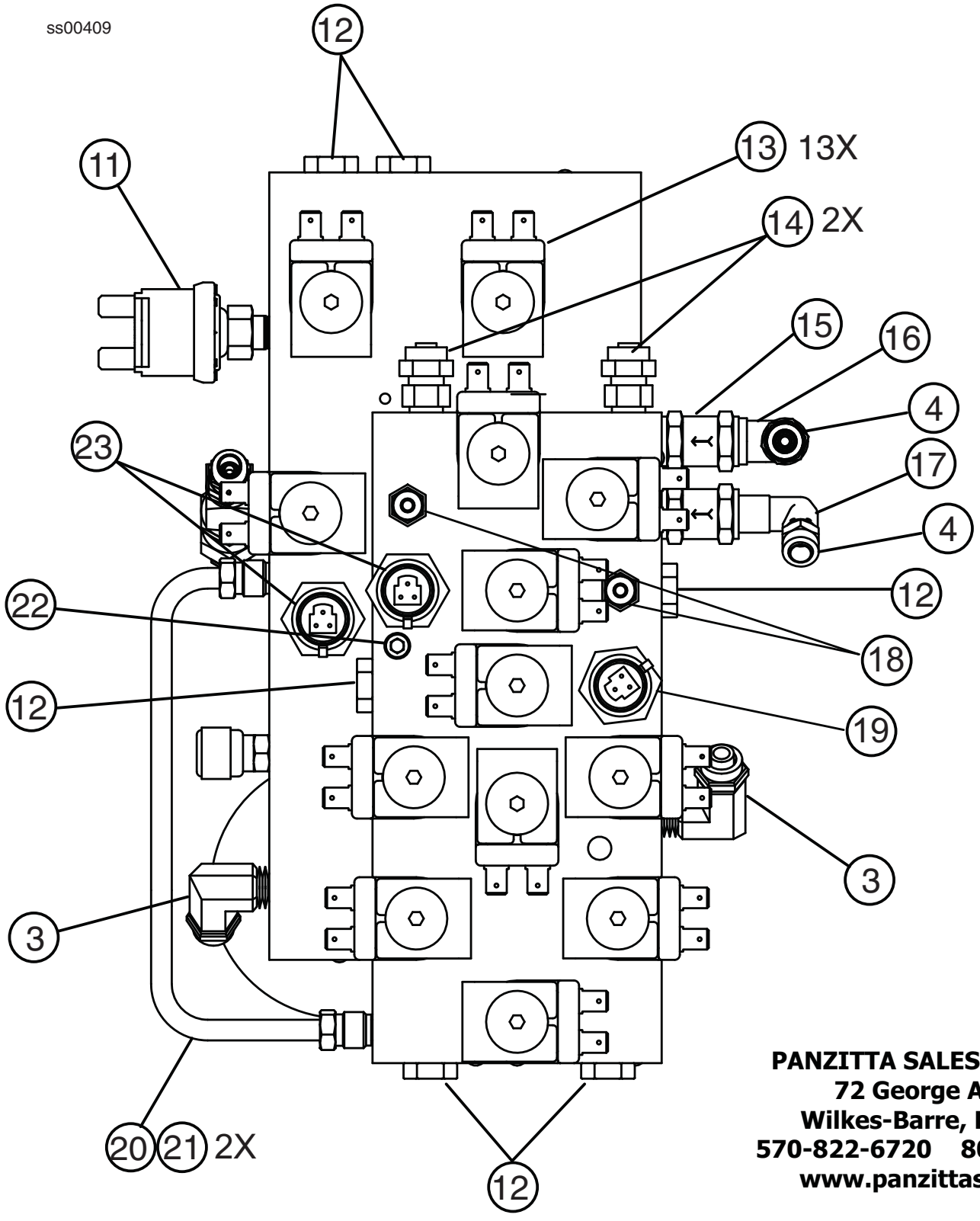

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Figure 3-6. Manifold Assembly (Sheet 2 of 3)

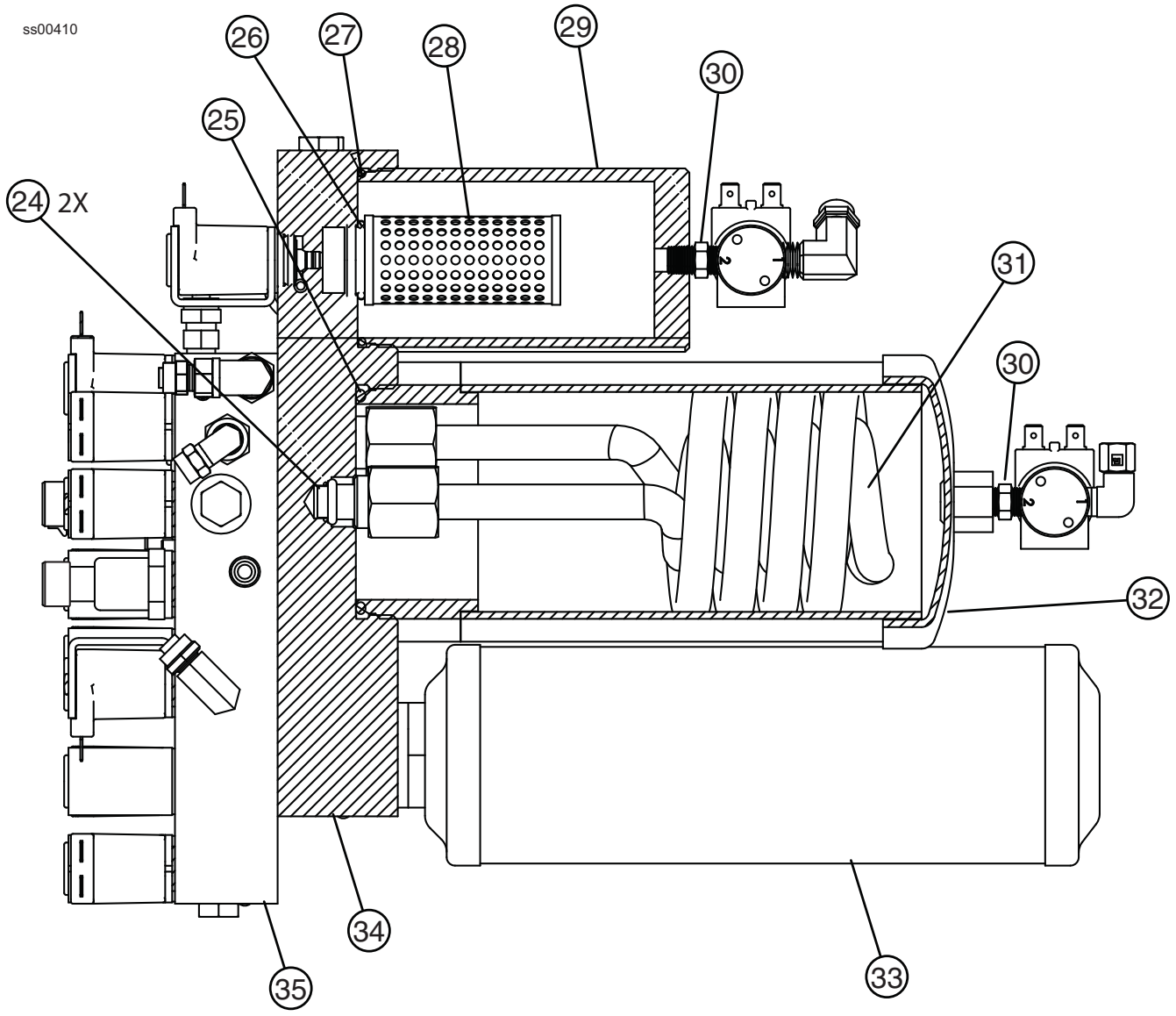

Figure 3-6. Manifold Assembly (Sheet 3 of 3)

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MANIFOLD ASSEMBLY				
No.	Description	Qty	Part No.	Effectivity
---	MANIFOLD ASSEMBLY (See Figure 3-2 for next higher assembly.)	---	RA20078	
1	ELBOW, 1/8 MP X1/8 PNEUMATIC (See Note F.)	1	123928	
2	SOLENOID, 12VDC, DISCRETE (S13 and S14)	2	RA20009	
3	ELBOW, COMPRESSION, 1/8 MP X 3/8 INCH PNEUMATIC (See Note F.)	3	122950	
4	FITTING, COMPRESSION, 1/8 NPT X ¼ INCH (See Note F.)	2	122917	
5	VALVE, CHECK (See Note E.)	1	RA20015	
6	TEE, MALE BRANCH, 1/8 NPTF(See Note F.)	1	539654	
7	BALL, MANIFOLD PLUG	5	Ref. Only	
8	CAP, ¼ INCH FLARE W/O-RING(See Notes F and G.)	1	111098	
9	VALVE CORE, SCHRADER (See Note A.) (Part of RA19916)	1	Ref. Only	
10	FITTING, ¼ MFL X 1/8 NPTF(See Note F.)	1	100272	
11	SWITCH, HIGH PRESSURE CUT-OUT	1	RA19427	
12	VALVE, CHECK (75 IN-LB) (See Note F.)	7	RA20016	
13	SOLENOID, 12VDC, MANIFOLD (See Note D.) (S1 thru S12 and S16)	13	RA20010	
14	FITTING, HALF UNION, .12 MP X .25 FL(See Note F.)	2	122912	
15	VALVE, CHECK PCV2003HNBR1	2	124175	
16	ELBOW, 1/8 FP X 1/8 FP	1	118974	
17	ELBOW, 12NPTF X .25 TUBE	1	535066	
18	CONNECTOR, 1/8 NPTF X 1/8 PNEUMATIC (See Note F.)	2	121771	
19	AIR PURGE TRANSDUCER	1	539229	
20	TUBE, MANIFOLD CONNECTOR (See Note C.)	1	537991	
21	O-RING, NEOPRENE W	2	105358	
22	SCREW, SOCKET HEAD (See Note B.)	1	10001	
23	ACCUMULATOR TRANSDUCER	2	RA20066	
24	O-RING (See Note H.)	2	18190	
25	O-RING, CO873 2-240 (See Note G.)	1	539668	
26	O-RING (See Note G.)	1	123785	
27	O-RING (See Note G.)	1	123786	
28	FILTER ELEMENT, COALESCING	1	123787	
29	BOWL, OIL SEPARATOR (See Note A.)	1	Ref. Only	
30	UNION, 1/8 MP X 1/8MP X .97(See Note F.)	2	101307	
31	EXCHANGER, HEAT	1	523477	

MANIFOLD ASSEMBLY				
No.	Description	Qty	Part No.	Effectivity
32	SHELL, ACCUMULATOR	1	Ref. Only	
33	FILTER DRIER, SPIN ON	1	34724	
34	MANIFOLD BLOCK, LOWER	1	Ref. Only	
35	MANIFOLD BLOCK, TOP	1	Ref. Only	
EFFECTIVITY: Robinair 34988 Robinair 34988-I				 A B

MANIFOLD ASSEMBLY NOTES

A. Torque Shrader valve core (item 14) and Oil Bowl Separator (item 25) to 1.5-3.0 IN-LB.
B. Torque to 30 IN-LB.
C. Apply Loctite 242 to threads of Manifold Connection Tube (item 16), then torque to 75 IN-LB.
D. Torque Manifold Solenoids (item 13) to manifold at 75 (±5) IN-LB.
E. Torque Check Valve (item 12) to 75 (±5) IN-LB; 6-places.
F. Apply Loctite 565 on all pipe threads.
G. Lubricate all O-rings on components before assembly.

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LOAD CELL ASSEMBLY

ss00500

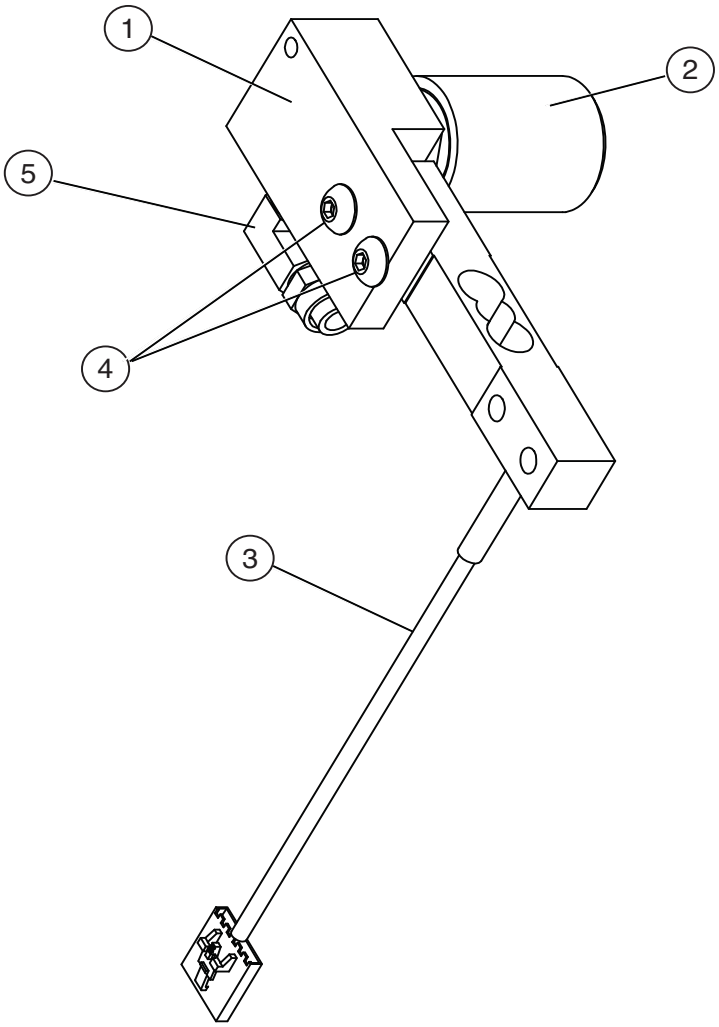

Figure 3-7. Load Cell Assembly

LOAD CELL ASSEMBLY				
No.	**Description**	**Qty**	**Part No.**	**Effectivity**
---	ASSEMBLY, OIL RESERVOIR LOAD CELL (See Figure 3-2 for next higher assembly.)	1	RA20055	A
	ASSEMBLY, OIL DRAIN LOAD CELL See Figure 3-2 for next higher assembly.)	1		B
1	BRACKET, UPPER OIL BOTTLE	1	544893	
2	HANGER ASSEMBLY	1	545670	
3	LOAD CELL	1	545592	
4	SCREW, M5, BUTTON HEAD	2	516612	
5	ELBOW, 1/8 NPTF X 1/4 COMPRESSION	1	539544	A
	ELBOW, 1/8 X 3/16	1	530699	B
EFFECTIVITY: Reservoir Load Cell Drain Load Cell				 A B

DYE BOTTLE BRACKET ASSEMBLY

ss00499

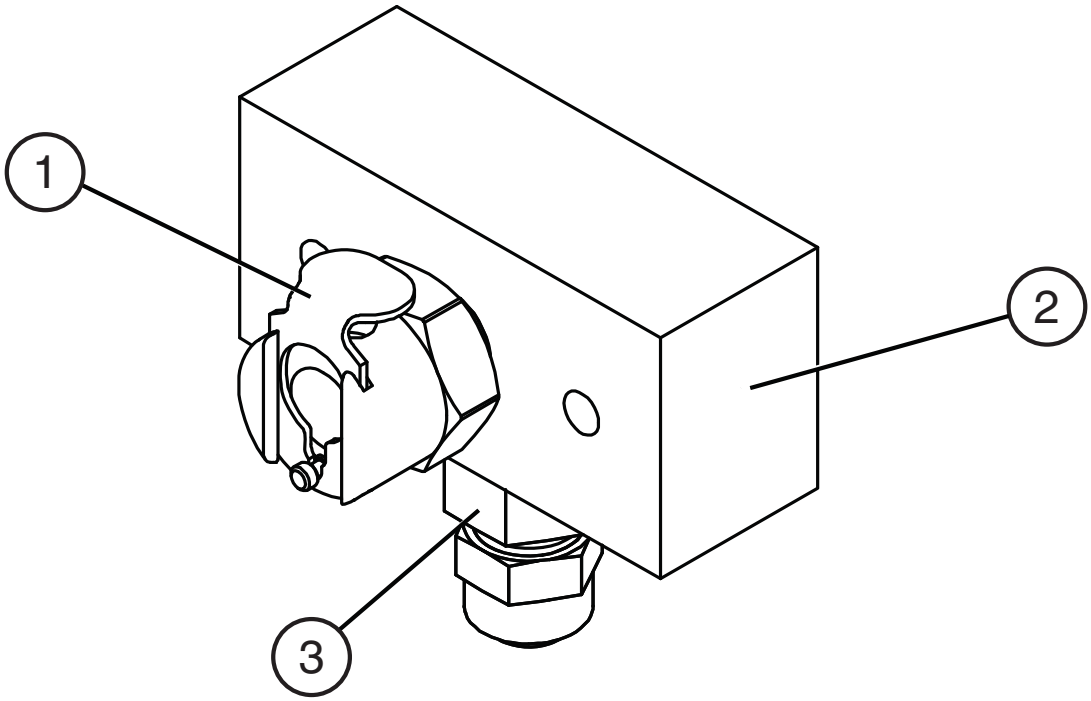

Figure 3-8. Dye Bottle Bracket Assembly

DYE BOTTLE BRACKET ASSEMBLY				
No.	Description	Qty	Part No.	Effectivity
---	ASSEMBLY, DYE BOTTLE BRACKET (See Figure 3-2 for next higher assembly.)	1	545762	
1	RECEPTICAL, QUICK RELEASE	1	545774	
2	BRACKET, UPPER DYE BOTTLE	1	544887	
3	FITTING, 1/8 NPT X1/4 COMPRESSION	1	122917	

VACUUM PUMP ASSEMBLY

ss00138

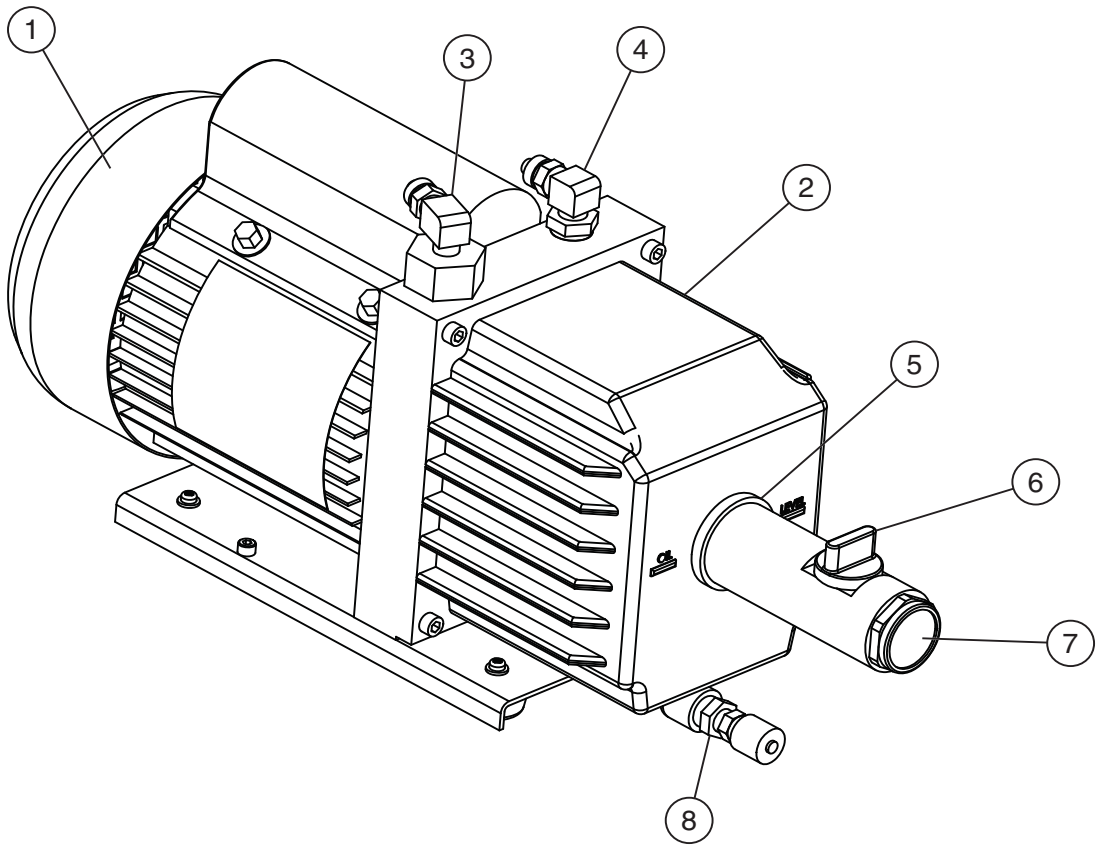

Figure 3-9. Vacuum Pump Assembly

VACUUM PUMP ASSEMBLY				
No.	**Description**	**Qty**	**Part No.**	**Effectivity**
---	VACUUM PUMP ASSEMBLY, 3 CFM, 115VAC	1	RA20031	A
	VACUUM PUMP ASSEMBLY, 3 CFM, 230VAC		RA20075	B
1	PUMP ASSEMBLY	1	RA20017	
2	RESERVOIR ASSEMBLY	1	RA19950	
3	BRASS DISCHARGE FITTING (Part of Item 2)	1	Ref. Only	
4	BRASS INLET FITTING (Part of Item 2)	1	Ref. Only	
5	SIGHT GLASS NUT (Part of Item 2)	1	Ref. Only	
6	OIL FILL PLUG (Part of Item 2)	1	RA20019	
7	SIGHT GLASS ASSY W/O-RING (Part of Item 2)	1	Ref. Only	
8	OIL DRAIN ASSEMBLY W/CAP (Part of Item 2)	1	Ref. Only	
EFFECTIVITY: Robinair 34988 Robinair 34988-I				 A B

COMPRESSOR ASSEMBLY

ss00137

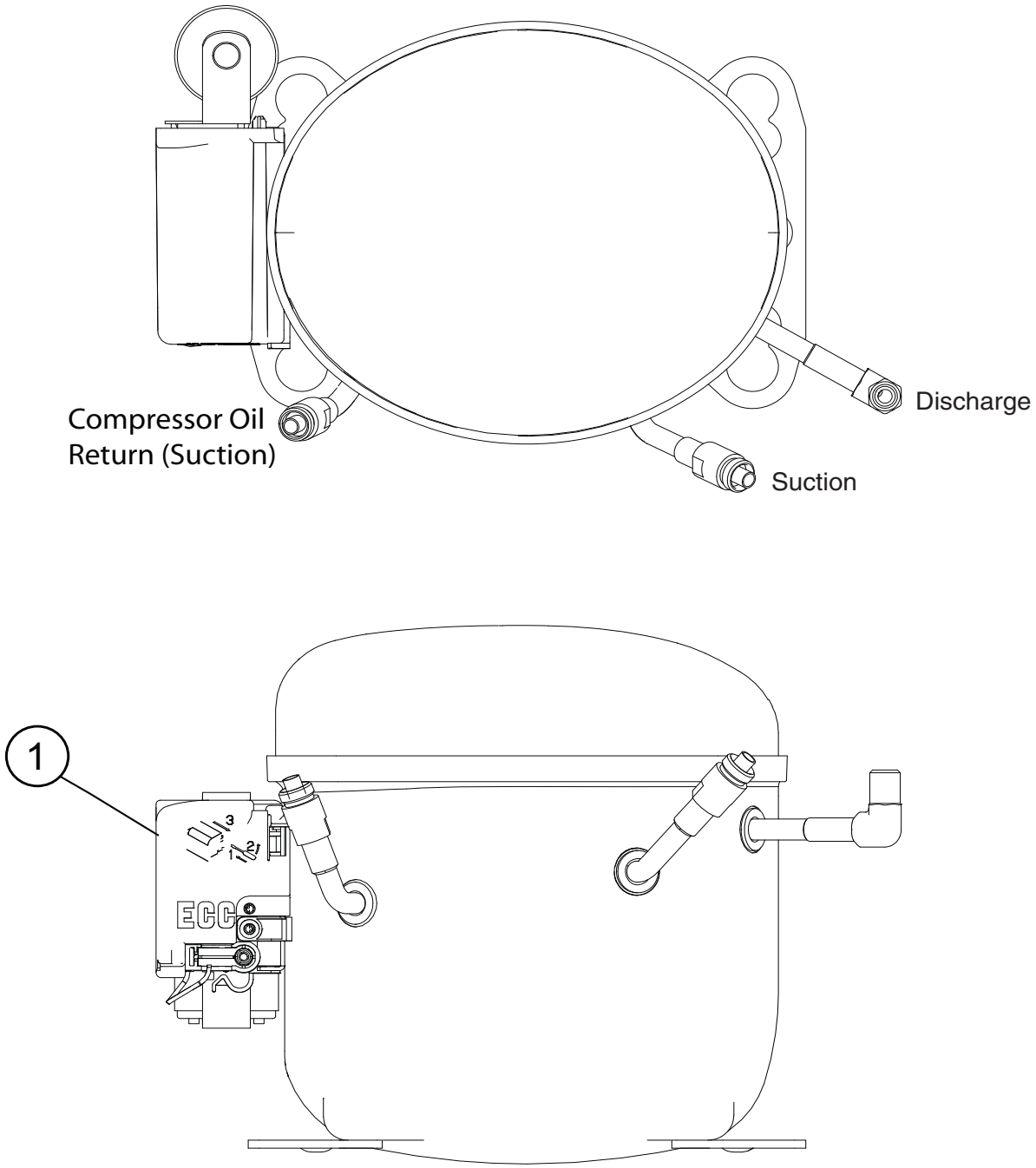

Figure 3-10. Compressor Assembly

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COMPRESSOR ASSEMBLY, 115 AND 230V				
No.	Description	Qty	Part No.	Effectivity
---	COMPRESSOR, 115V (Domestic)	---	RA20020	A
	COMPRESSOR, 230V (Int'l Only)	---	RA20076	B
1	ELECTRICAL SERVICE KIT, 115V (Includes thermal protector, start relay, capacitor, capacitor cap, and capacitor leads.)	1	RA20060	A
	ELECTRICAL SERVICE KIT, 230V (Includes thermal protector, start relay, capacitor, capacitor cap, and capacitor leads.)		RA20061	B
EFFECTIVITY: Robinair 34988 Robinair 34988-I				 A B

BASE ASSEMBLY

ss00144

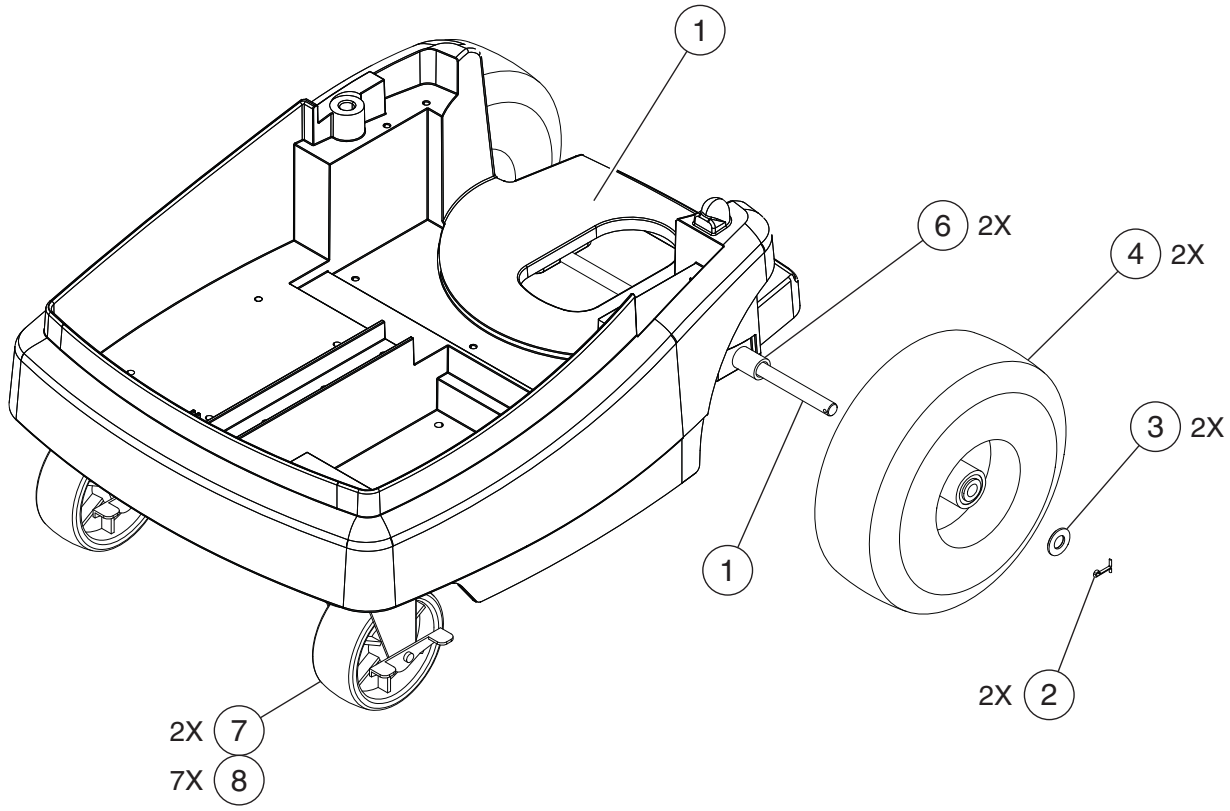

Figure 3-11. Base Assembly

BASE ASSEMBLY				
No.	**Description**	**Qty**	**Part No.**	**Effectivity**
---	BASE ASSEMBLY (See Figure 1 for next higher assembly.)	1	544094	
1	BASE	1	Ref. Only	
2	COTTER PIN	2	100723	
3	WASHER, FLAT, .500 ID	2	102755	
4	WHEEL, PNEUMATIC, GRAY, 10 INCH	2	121841	
5	BUSHING, WHEEL	2	Ref. Only	
6	AXLE	1	Ref. Only	
7	CASTER, 5 INCH DIA X 2 INCH WIDE	2	RA19631	
8	SCREW, PLASTITE, ¼ INCH X 1 INCH	8	Ref. Only	

WIRING HARNESS DIAGRAM

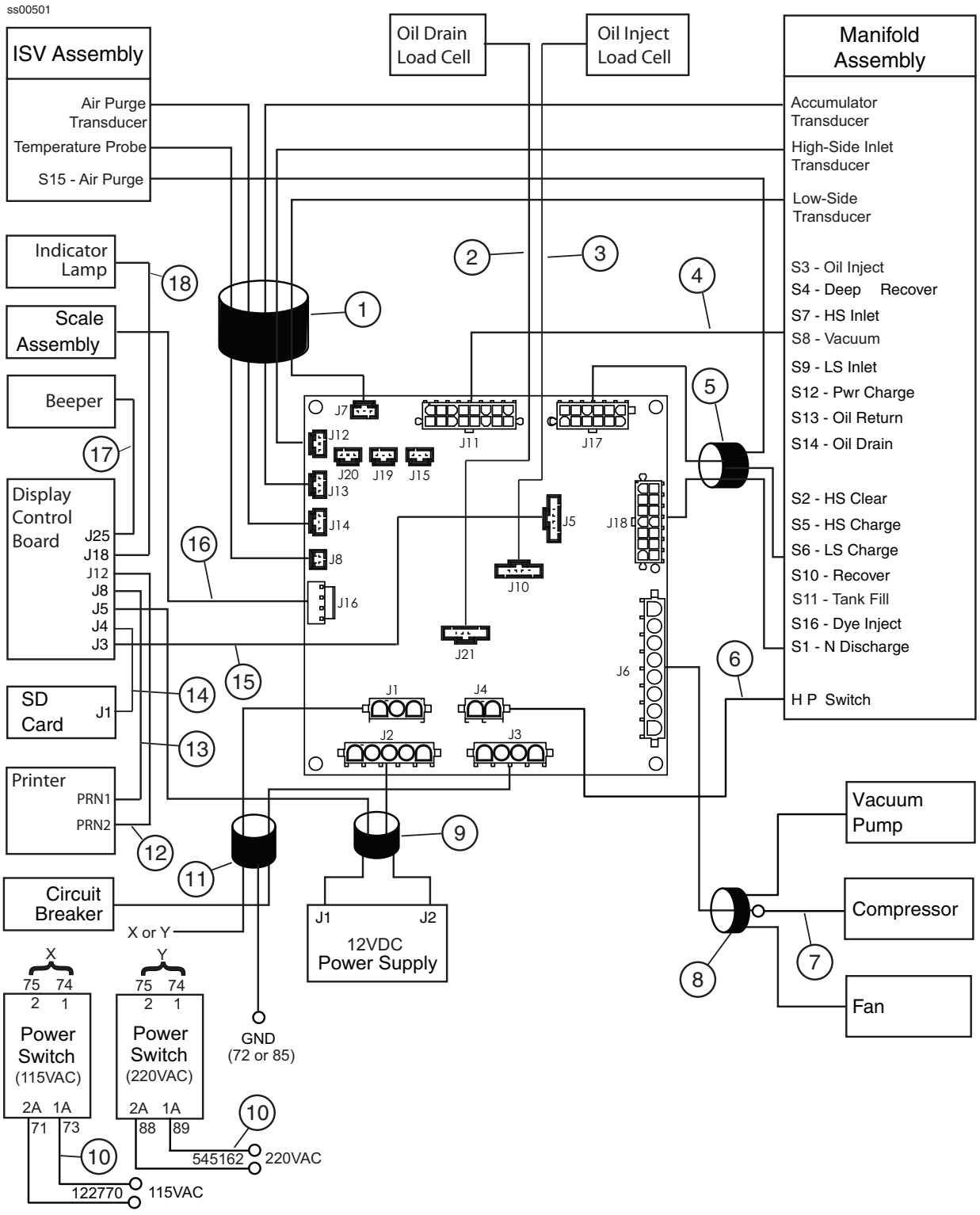

Figure 3-12. Electrical Diagram

WIRING HARNESS DIAGRAM				
No.	**Description**	**Qty**	**Part No.**	**Effectivity**
1	**HARNESS, TRANSDUCER WIRE, (RELAY BOARD J7, J8, J12, J13, AND J14 TO TRANSDUCERS PT20, TS, PT21, PT22, and PT23)**	**1**	**549383**	

WIRING HARNESS DIAGRAM				
No.	Description	Qty	Part No.	Effectivity
2	OIL DRAIN LOAD CELL TO RELAY BOARD J21 (Part of Load Cell Assembly p/n RA20055. See Figure 3-7.)	1	Ref.	
3	OIL INJECT LOAD CELL TO RELAY BOARD J10 (Part of Load Cell Assembly p/n RA20055. See Figure 3-7.)	1	Ref.	
4	HARNESS, MANIFOLD 2, (RELAY BOARD J11 TO SOLENOIDS S3, S4, S7, S8, S9, S12, S13, AND S14)	1	539987	
5	HARNESS, MANIFOLD 1, (RELAY BOARD J17 AND J18 TO SOLENOIDS S1, S2, S5, S6, S10, S11, S15, and S16)	1	552697	
6	HARNESS, HIGH PRESSURE SWITCH, (RELAY BOARD J4 TO HPS)	1	539992	
7	HARNESS, COMPRESSOR PIGTAIL TO HARNESS 539989 (ITEM 6)	1	544997	
8	HARNESS, COMPRESSOR/FAN/PUMP WIRE (RELAY BOARD J16 TO VACUUM PUMP, FAN, AND COMPRESSOR THROUGH HARNESS 544997 [ITEM 5])	1	539989	
9	HARNESS, POWER SUPPLY (RELAY BOARD J2 TO POWER SUPPLY J1 AND J2, AND DISPLAY BOARD J5)	1	545937	
10	POWER CABLE (POWER SWITCH TERMINALS 1A AND 2A, AND GROUND)	1	122770	A
			545162	B
11	HARNESS, POWER WIRE (RELAY BOARD J1 AND J3 TO POWER SWITCH TERMINALS 1 AND 2, CIRCUIT BREAKER, AND GROUND)	1	545946	
12	HARNESS, PRINTER COMMUNICATION (PRINTER PRN2 TO DISPLAY BOARD J12)	1	545978	
13	HARNESS, PRINTER POWER (PRINTER PRN1 TO DISPLAY BOARD J8)	1	549380	
14	CABLE, SD BOARD (SD BOARD J1 TO DISPLAY BOARD J4)	1	546809	
15	HARNESS, INTERCONNECT CABLE (RELAY BOARD J5 TO DISPLAY BOARD J3)	1	545936	
16	HARNESS, RELAY BOARD (J16) TO SCALE (Part of Scale Assembly p/n 539853. See Figure 2.)	1	Ref.	
17	HARNESS, BEEPER (BEEPER BP TO DISPLAY BOARD J25)	1	551245	
18	HARNESS, LIGHT (WHT AND BLK LAMP LEADS TO DISPLAY BOARD J18)	1	549382	
EFFECTIVITY: Robinair 34988 Robinair 34988-I				 A B

PLUMBING DIAGRAM

ss00467

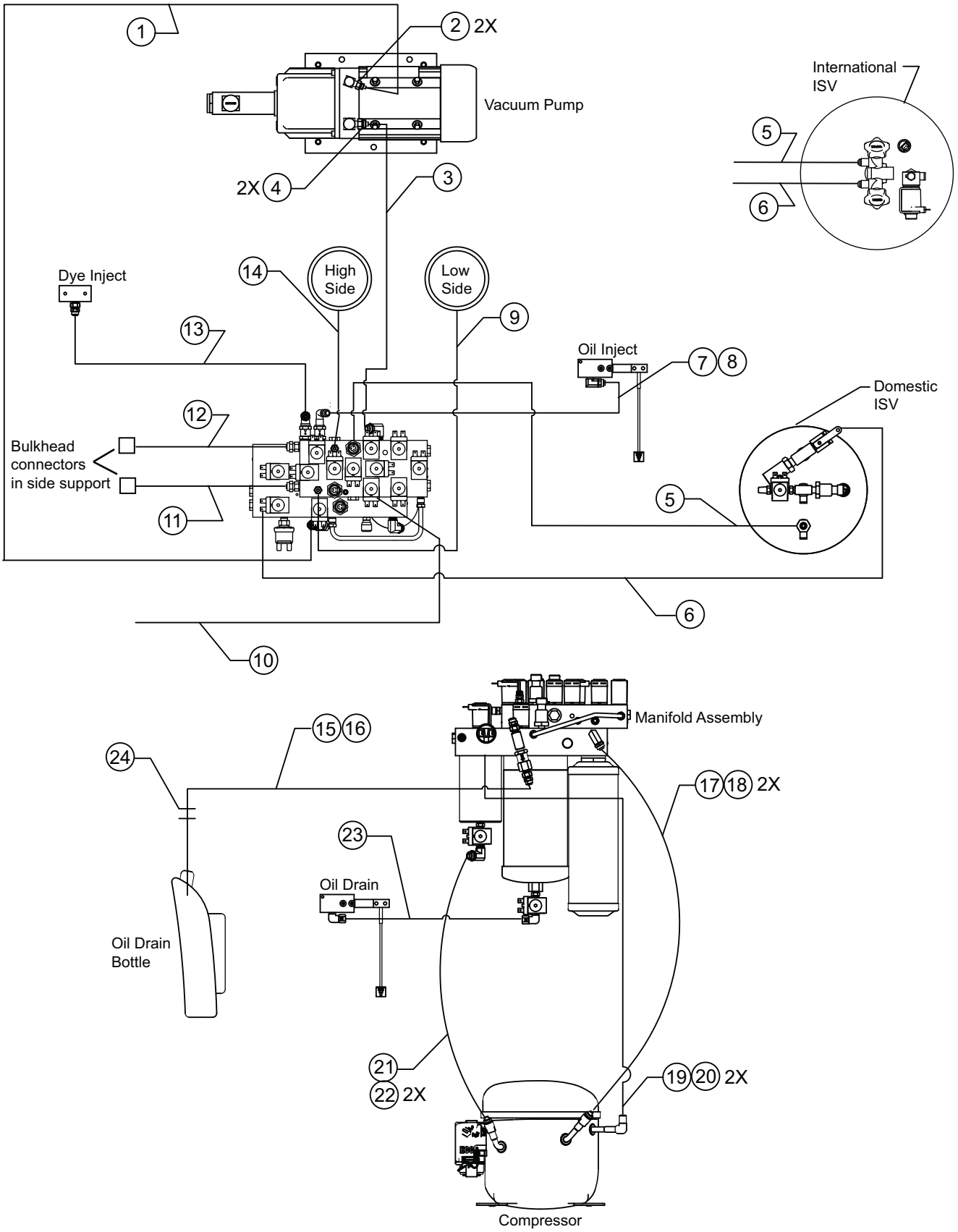

Figure 3-13. Plumbing Diagram

PLUMBING DIAGRAM PARTS LIST				
No.	Description	Qty	Part No.	Effectivity
---	HIGH SIDE HOSE, RED (Not shown)	1	112192	
---	LOW SIDE HOSE, BLUE (Not shown)	1	112193	
1	VACUUM HOSE, LOW SIDE, TUBING, ¼ INCH OD X 0.040 INCH ID	19”	120225	
2	NUT, COMPRESSION, ¼ INCH TUBE	2	RA20007	
3	VACUUM HOSE, HIGH SIDE, TUBING, 3/8 INCH HIGH PRESSURE	16”	RA20005	
4	NUT, COMPRESSION, 3/8 INCH TUBE	1	RA20006	
5	HOSE, ISV LIQUID	1	541533	
6	HOSE, ISV VAPOR	1	539068	
7	OIL INJECT TUBE, ¼ INCH OD X 0.040 INCH ID	23”	120225	
8	NUT, COMPRESSION, ¼ INCH TUBE	1	RA20007	
9	LOW SIDE TUBE, BLUE	19”	539672	
10	HOSE, TANK FILL	1	539007	
11	LOW SIDE SERVICE HOSE	14”	539673	
12	HIGH SIDE SERVICE HOSE	14”	539673	
13	DYE INJECT TUBE	16”	120225	
14	HIGH SIDE TUBE, RED	16”	539671	
15	VACUUM PUMP EXHAUST TUBE, ¼ INCH OD X 0.040 INCH ID	28”	120225	
16	NUT, COMPRESSION, ¼ INCH TUBE	1	RA20007	
17	SUCTION TUBE, MANIFOLD TO COMPRESSOR, 3/8 INCH HIGH PRESSURE	15.5”	RA20005	
18	NUT, COMPRESSION, 3/8 INCH TUBE	2	RA20006	
19	DISCHARGE TUBE, COMPRESSOR TO MANIFOLD	1	538469	
20	O-RING, NEOPRENE	2	RA19916	
21	COMPRESSOR OIL RETURN TUBE, 3/8 INCH HIGH PRESSURE	11”	RA20005	
22	NUT, COMPRESSION, 3/8 INCH TUBE	2	RA20006	
23	OIL DRAIN TUBE, NYLON, 1/8 INCH OD X .070 ID	36”	280944	
24	STA-STRAP, 8 INCHES LONG X .18 THK	2	102338	
EFFECTIVITY: Robinair 34988 Robinair 34988-I				A B